$\frac{5}{2} \int_{0}^{2} \left[-m \left(\frac{3}{30} \right) - \frac{7}{6} \right] = m \left[\frac{3}{30} \left(-\frac{5}{6} - \frac{7}{20} \right) + m \left[\frac{3}{20} \right] + m \left[\frac{3}{30} \right] + m \left[\frac{3}{$ Taudia

1 $\overline{D}^2 = \frac{2}{6^2} \cdot \frac{2}{6} \cdot \frac{1}{6^2} = 0^{\frac{3}{2}}$ Table payrops no

1 = $\frac{1}{6}$ $\frac{3}{6}$ $\frac{3}$ 40 Plx, o) con year p) I, = 7 Oi = 3 X B: M[0] = 3 M[x] = 3 m [x] = 0 $\int_{0}^{\infty} \frac{1}{2} \int_{0}^{\infty} \frac{1}{2} \int_{0}^{\infty}$ DMN: 9 (x,0) = 1 = 1 = 1 x0 [0,20]

Xnax: P(++) = \frac{h}{\theta} \left(\frac{t}{\theta} - \frac{\theta}{\theta}\right)^{n-1}\left\{t\theta} \left\{t\theta} \lef (F4) 02 2 ml 02] = 2 ml xnan] + 20" [(+ 0) "bdt = { h+b-0 } = 7 = 10 5 kn + (k+0) dk = 20 (net) knet of 2/h + 1/0 - 1 k1 0 = 2/net) + 2 - 2(net) Oz = 2 (n+1) Pr - nervers 2 D[6'] = (Inel) = D[02] - (2not) = D[xmax] 1/2 M[xmax] = 9(2n+1) $M[x_{max}^{2}] = \frac{h}{\theta^{2}} \int_{0}^{\infty} k^{-1} \left(k^{2} + 1 k \theta + \theta^{2}\right) dk = \frac{h}{\theta^{2}} \left[\frac{\theta^{2}}{n+2} + \frac{2\theta^{n}}{h^{2}} + \frac{2\theta^{n}}{h^{2}} + \frac{2\theta^{n}}{h^{2}}\right] = h \left[\frac{\theta^{2}(n+1)}{h^{2} + 2n} + \frac{2\theta^{2}(n^{2} + 3n + 2)}{h^{2} + 2n}\right] = \theta^{2} \left(\frac{4h^{2} + 8h + 2}{h^{2} + 5n + 2}\right)$ $D[x_{n}a_{r}] = 0^{2} \left(\frac{4h^{2}+8h+2}{4h^{2}+8h+2} - \frac{4k^{2}+4h+1}{h^{2}+2h+1} \right) = 0^{2} \left(\frac{h^{2}+5h+2}{h+h^{2}(h+1)} \right)$ $D[x_{n}a_{r}] = \frac{(h+1)^{2}}{(h+1)^{2}} \frac{(h+1)^{2}}{(h+2)} \frac{h^{2}+2h+1}{(h+2)} = 0^{2} \rightarrow 0 \quad \text{, now con no you synce}$ $D[x_{n}] = \frac{(h+1)^{2}}{(h+1)^{2}} \frac{(h+1)^{2}}{(h+2)} \frac{(h+2)}{(h+2)} = 0^{2} \rightarrow 0 \quad \text{, now con no you synce}$ $D[x_{n}] = \frac{(h+1)^{2}}{(h+1)^{2}} \frac{(h+1)^{2}}{(h+1)^{2}} \frac{(h+2)}{(h+2)} = 0^{2} \rightarrow 0 \quad \text{, now con no you synce}$ 02 1 27h > (Lnei) 2 (ne2) upun 24 40 6A 0 D[0,] > D[02] (Inl X: 6 [8,29] & 6 [1,2] x = 0 = 3 d1 = = 9(xnax)=(=(x))=(]dx)=(xd) M 16,025 +1 <x < 50,975 41 = 5h = 0 = 3 /2 - 2, 1 ~ 2N(0,1)

AOT Chyrynoro ~ N(0,1) D 10,025 11 e 70,075 el e) 1 0.375 21 CO C 50,025 71 Ela-196 < 5 = = = < 1,96 10 0MM: Sa 9(2)-9(4) ~ N(0,1) 1,96 - 3 2, -2,2 + Q 20 (5h 3 52 - 21+ 0 (a) = 10+9k79 = 3 502-4,"

(T4) 98(0,N) 2,20] テーサイー1:17 くの3月十年90月十年423 L: []= x(x))x= [2xdx+ 1-0-0+ 1-0-2 = 1-0 + Z = 2(n+1) X2=A(9)= = 1 /xdx + 1-0 .22 = 3+2(1-0) = 2-30 N2- x2-x2-0197-2-30-62+20-1=1+3-62 OMM: 2 16)= = = = 1 1-0= = = 7 8=1-M[0,]=M[1-x]= 1-4[x]= 1-1+0=0= > necuent 1 /3 $D[\overline{9}, \overline{J} = D[1-\overline{x}] = \frac{1}{n}D[\overline{y}] \rightarrow 0 \quad \text{coor no gov? y.e.}$ $L = \left(\frac{1-\theta}{2}\right)^{n-m_1-m_2} \left(\frac{1-\theta}{2}\right)^{m_1+m_2}$ m/=(n-m2) (n = + (m + m2 / n (=) syrue suppendite (h) = 10-m,-m2 + m, +m2 = 10-4 cm, +m2 = 0 = 1-2, -2 (hl) = m+m2 - m+m2 (m+th2-1)(0-1)(m+m2)62 = 2 (J+J2)(J+J21) co 0 = (-), -)2 - m ware - 27 F2 = (-), -)2 M[6,] = 1-M[] -M[], 7 = 1-1-0-1-0 recent D[B]=D[J,+)=7= (1-0)(0) -0, homo con. an (0,1) e) Tersher K-Pao 1) 8 (7,0) a C/6 (101) ores 2) 30 [9(x,0)dx =] 30 P(x,0)dx (a (01) $\frac{9}{20} \frac{39(x_{10})}{20} = \frac{1}{2} \int_{-\infty}^{\infty} dx + \left(\frac{1-0}{2}\right) \frac{1}{9} + \left(\frac{1-0}{2}\right) \frac{1}{9} = 1 - \frac{1}{2} = \frac{1}{2} = 0$ Tz - Z1+

3) I (0) & C(gi), I (6) 70 ma (01] 0/6)= $\frac{2 \ln P(x, \theta)}{3 \theta} = \frac{2}{3 \theta} \left(\ln \frac{\theta}{2} \right) = \frac{1}{6} \frac{2 \ln P_{12}}{3 \theta} = \frac{2}{3 \theta} \left(\ln \left(\frac{1 - \theta}{2} \right) \right) = \frac{1}{6 - 1}$ I (0) >] (OI = 1-x - newers D[OI] - orp us to warrance & (01) O, - per 796 5, =1-), -) = namery, D[O] - op nat nommer & [01] 01 02-pe 50 9 - Republication Manipa Reno 1891 1,96 92: D[82] 7 n [16) = n nogor yu superrubea 27 8, nesq. , 14. 8, \$ 82 (T6) P(x) = { \frac{\theta - 1}{\times \text{\$\times}}, \times \text{\$\e 0) Jh 000 8/16 a) L (x,0) = (0-1)' lnl = nln(0-1) - 0 2 lnx; (ln() = 07 - Elnx =0 3 = 11 thx; 1+ thx; (In L)00 = -1 =0 27 9 = 20 - m more 8) (1 od de) ozxrolnox engere musico per 10 (01) dx = x 10 klax 2 - 102 1 b-1 dr= -1 +1 = 2 9 (0) = 20-1 54. 3(8)-9(6) ~N(01) 8000 50(6)

0'(6) = JV'9(8) I'(6) 79(0) I(0) = M[((hp)' 0)'] = M[(+ - Lnx)2] = \$ (0-1 - (n1)2p(x,0)dx 50 9 (6)-910) ~ n(0,1) 1.96 0 (6) TR + 9(0) < 3(0) < -1.96 -0(6) + \$(0) 9 5 000 N (01) 0 (0) B 8 (0) 8(6) 20-1 0 5h 0-0 NV(0,1) -1,56(0-1) +1 + tox, < 0 C 1.96(0-1) +1 + Tox;